



**STROUD**  
**RURAL DISTRICT COUNCIL.**



**MEDICAL OFFICER'S . . .**

**and**

**. . . SANITARY INSPECTORS'**

**REPORTS**

**for**

**1897.**



# 24th ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH,

For 1897.

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TO THE STROUD RURAL DISTRICT COUNCIL.

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MR. CHAIRMAN, LADIES, AND GENTLEMEN,

I have to submit my Annual Report for 1897, which, I may say, is of a favourable character, although the death rate is rather higher than that of the previous year. A larger number of deaths took place among old people.

The Infantile rate does not show any increase, and should be still lower than it is, as the analysis of the causes would indicate that some are the result of preventable affections.

The Uncertified Deaths require no special remark beyond noting the mortality from "Probable" Causes. Something more definite might be given by having a Medical opinion in doubtful cases.

The Zymotic Rate of mortality compares favourably with those of previous years, and has been slowly and gradually becoming less. Were it not for the preventable forms of this class it would be much lower and affect the several rates accordingly.

## VITAL STATISTICS.

The Population to the end of the past year estimated for increase is about 30,226.

During that period 661 Births were recorded—343 males, 318 females. A rate of 21·2 per 1,000 of population.

444 Deaths were registered—males 205, females 239, including 26 in the Workhouse, 12 males, 14 females, and 10 in the Hospital—males 4, females 6—giving a rate of 14·6 per 1,000.

The Rate for last year was 12·8 per 1,000 living.

The Birth and Death Rates for all England and Wales were 29·7 and 17·4 per 1,000 respectively.

# EPITOME OF DEATHS AT DIFFERENT AGES FOR 1897.

		No.	Tl.	W.	H.	Tl.	Tls.
Under 1 year	...	74		0	0	74	
1 and under 5 years	...	38	112	0	0	38	112
5	15	13		0	2	15	
15	25	20		1	1	22	
25	60	89	121	3	5	97	134
60	70	54		5	1	60	
70	80	82		13	1	96	
80	90	26		4	0	30	
90	100	12	174	0	0	12	198
		408	408	26	10	444	444

198 persons died upwards of 60 years of age, including 22 in the Workhouse, and 2 in the Hospital, a rate of 44·6 per cent. of deaths, and 6·5 per 1,000 living.

12 of the total number were upwards of 90 years old.

## INFANTILE MORTALITY.

74 children died under one year of age, a rate of 111·9 per 1,000 of births.

For all England and Wales the rate was 156 per 1,000 of births.

## CAUSES OF DEATHS IN INFANTS UNDER ONE YEAR.

Diarrhœa	...	4	Gastric	...	3
Measles	...	1	Stomatitis	...	1
Whooping Cough		9	Debility	...	2
Bronchitis	...	20	Tabes	...	1
Uncertified	...	6	Peritonitis	...	1
Brain Disease	...	1	Convulsions	...	3
Chicken Pox	...	1	Lung	...	1
Natural Causes	...	3	Intestinal Catarrh		1
Inanition	...	3	Dermatitis	...	1
Marasmus	...	1	Premature	...	9
Dentition	...	1	Tubercular Disease		
			of Bowels	...	1
		50			24

A curious coincidence that within two the same number of deaths in this Class was recorded for the past three years, and the comparative death rate about the same.



## UNCERTIFIED DEATHS.

12 are recorded, a rate of 2·7 per cent. of total deaths. So many in this class of deaths should not occur unless under exceptional circumstances, being usually the result of either wilful neglect or ignorance, too often the former.

## STATED CAUSES OF UNCERTIFIED DEATHS.

- 1 Debility from Birth, age 1 month ;
- 2 Premature Birth, Twins, age 1 hour and 4 hours ;
- 1 Convulsions, age 10 months ;
- 1 Convulsions, age 4 days ;
- 1 Diarrhœa, age 82 years ;
- 1 Cancer, age 74 years ;
- 1 Probably Heart Disease, age 78 years ;
- 1 Probably Apoplectic Seizure, age 72 years ;
- 1 Natural Causes, probably Heart Disease, age 73 years.
- 1 Bronchitis and probably Heart Disease, age 67 years.
- 1 Debility, age 23 hours, reported to Coroner who considered an Inquest unnecessary.

## TABLE OF DEATHS.

From	No.	Rate	per 1,000 including Workhouse & Hospital				
Phthisis	28	...	0·93	...	0	...	1
Bronchitis	80	...	2·6	...	2	...	0
Heart Disease	59	...	1·9	...	4	...	1
Cancer	33	...	1·09	...	3	...	1

25 Inquests were held including 2 in the Workhouse, and 4 in the Hospital.

12 Natural Causes, 7 Injuries, and 6 others which require no special comment.

From the large and important class of Notifiable Infectious Diseases 82 cases were recorded and 6 deaths, a rate of 1·3 per cent. of deaths and 0·19 per 1,000 of population.

For all England and Wales the rate was 2·15 per 1,000 living.

## SCARLET FEVER.

Was not answerable for any deaths. 30 cases were notified, generally of a mild form. 10 Parishes and one School were affected.

## DIPHTHERIA.

23 cases were notified and 4 deaths. One case at Hamwell Leaze, Cainscross. The Hamlet specially reported the last two years as being in a very unsanitary state with reference to drainage and water supply, &c. (The Stroud Water Company are now supplying the houses with Chalford Water.)

At Cranham 5 cases were notified (no death). The first case is supposed to have come from outside this District. Water supply and sanitary state good.

Six cases at Ryeford, Stonehouse, were specially reported in July last. The first supposed to have been contracted previous to entering this District. (Two deaths.)

#### MEMBRANOUS CROUP.

A form of Diphtheria, caused 2 deaths, one at Painswick, the other at Hamwell Leaze, specially reported.

#### ENTERIC OR TYPHOID.

Eight cases were notified, 1 Cainscross, 2 Ebley, 1 Painswick (death), 1 Cranham, 2 Thrupp. This last named place has been often reported for its general unsanitary state, defective drainage, water supply, &c., and sometimes the habits of the people aggravate it. Water and milk supplies are carefully investigated in all places affected.

#### ERYSIPELAS.

17 cases generally of an Idiopathic character. Sanitary defects sometimes account for this complaint.

#### PUERPERAL FEVER.

Two cases. One of a septic character.

#### *Places affected by Diseases of the Notifiable Zymotic Class:—*

##### PAINSWICK.

17 cases. 6 Scarlet Fever; 5 of Diphtheria; 1 Typhoid (death); 1 Membranous Croup (death); 4 Erysipelas.

##### RODBOROUGH.

11 cases. 5 Scarlet Fever; 1 Typhoid; 2 of Diphtheria (one death); 3 Erysipelas.

##### STONEHOUSE.

11 cases. 6 Diphtheria (2 deaths); 3 Scarlet Fever; 2 Erysipelas. None of these occurred in the village itself.

##### STROUD RURAL.

10 cases. 3 Erysipelas at Thrupp; 3 Typhoid, 2 at Thrupp, 1 at Quarrhouse, Brimscombe; 4 Scarlet Fever, 2 Whiteshill, 1 Thrupp, 1 Ruscombe. (No death).

##### EBLEY AND CAINSCROSS.

7 cases. 2 Typhoid; 2 Erysipelas; 1 Membranous Croup (death); 2 Diphtheria.

## CRANHAM.

6 cases. 1 Typhoid ; 5 Diphtheria. The Diphtheria was, I believe, brought into the District and spread by contagion. (One death).

## MINCHINHAMPTON.

5 cases. 3 Scarlet Fever ; 1 Diphtheria ; 1 Puerperal.

## WOODCHESTER.

4 Scarlet Fever.

## HORSLEY.

1 Scarlet Fever ; 2 Erysipelas.

## PITCHCOMBE.

2 Scarlet Fever.

## KING STANLEY.

1 Scarlet Fever ; 1 Erysipelas.

## LEONARD STANLEY.

1 Scarlet Fever.

## CHALFORD.

1 Diphtheria.

## RANDWICK.

1 Puerperal.

## NON-NOTIFIABLE ZYMOTIC DISEASES CAUSED 26 DEATHS.

One of Measles. The notification of this disease has been suggested, but being infective three or four days before the rash appears it would be comparatively useless as a preventive, and very costly to carry out, but isolation at home should be practised as an advantage to both the patient and the family, for the longer the person mixes with others the greater the infection likely.

Three Schools were closed owing to Measles, one to Diphtheria and three to an epidemic of mumps.

## WHOOPING COUGH

Caused 19 deaths, 9 under 1 year and 10 under 5.

## DIARRHŒA

Caused six deaths in Infants.

## INFLUENZA

Was the cause of eight deaths. One child under five years, and seven persons upwards of five.



This complaint has been very prevalent. Climatic conditions during the latter part of the year being the probable cause.

#### DRAINAGE.

The Drainage of those parts of the District requiring it is still under the consideration of the Council.

The Urban District of Nailsworth has declined to join in the scheme, preferring to make their own arrangements for sewage disposal.

#### WATER SUPPLY.

The Water Supply of all the Districts is much the same as previously reported.

The Chalford Company are still extending their mains.

Some of the houses on the hills have rain-water tanks underground, and they get a fairly good supply of wholesome water, away from aërial contamination. A cottage of 30 feet by 15 yields about 8,010 gallons, about 21·94 gallons a day.

Hospital accommodation for Small Pox at Stancombe is in good order and ready at short notice to receive patients, and the water supply is increased by the addition of an underground tank to collect roof water, and holds 2,900 gallons.

#### ABSTRACT OF VISITS AND CASES FROM MEDICAL OFFICER'S JOURNAL.

Reports to Local Government Board	...	...	6
Reports, Special, to Local Government Board	...	...	4
Reports to Rural District Council	...	...	6
Visits to Districts about	...	...	200
Premises and Houses, Defective Drainage	...	...	20
Visits to close Schools	...	...	7
Certificates to close Schools	...	...	7
Water Supply and Defective Drains	...	...	10
Water Samples Examined	...	...	29
Cases of Overcrowding	...	...	1
Cases of Illness reported :—			
Typhoid or Enteric	...	...	8
Diphtheria 23 ; Membranous Croup 2			25
Erysipelas	...	...	17
Puerperal	...	...	2
Scarlet Fever	...	...	30
			—82
Attending Rural District Councils	...	...	20
Animals kept so as to be a nuisance	...	...	3
Letters and Post Cards	...	...	83



Abstract of Visits and Cases from Medical Officers' Journal—*cont.*

Special Consultations <i>re</i> Diphtheria	...	...	Several
Quarterly Reports	...	...	4
Hospital Committees	...	...	2
Inspection of Bakehouses	...	...	30
Houses Unfit for Habitation...	...	...	9
Case Exposure Scarlet Fever	...	...	1
School, Unsanitary State	...	...	1
Total			525

*Appended are the Local Government Board's Tables, A and B., giving all details of cases classified.*

I have the honour to remain,

Your obedient Servant,

THOMAS PARTRIDGE,

M.O.H.

FEBRUARY 9th, 1898.

## STROUD RURAL DISTRICT COUNCIL,

No. 1 DISTRICT.

*Sanitary Inspector's Report for 1897*

To the Chairman and Members of the Council.

LADIES AND GENTLEMEN,

The following particulars contains a summary of the work carried out by me during the year.

Number of Entries in Inspector's Journal	...	...	253
„ „ Notices to abate Nuisances	...	...	158
Visits and Consultations with the M.O.H	...	...	140
Inspections of Bakehouses	...	...	21
Bakehouses cleansed	...	...	4
Inspection of Slaughterhouses	...	...	29
Inspection of Dairies and Milk Stores	...	...	19
Insanitary Water-Closets made good	...	...	14
Dwelling-houses cleansed	...	...	3
Drains found defective by Chemical or Smoke Test	...	...	15
Dwelling-houses overcrowded	...	...	1
Offensive Accumulations removed	...	...	25
Defective Privy Accomodation	...	...	13
Certificates granted under Sect. 6 of the Public Health (Water) Act	...	...	2
Samples of Water taken for Analysis	...	...	13
Improved Supplies of Water	...	...	3
Number of Places where Animals were kept so as to cause a Nuisance	...	...	5
Number of Schools closed on account of Measles	...	...	2
„ „ „ fumigated	...	...	1
Canal Boats inspected	...	...	13
Number of Infectious or Contagious Disease Cases dealt with	...	...	36
Number of Deaths from ditto	...	...	3
„ „ Rooms fumigated	...	...	48

The insanitary state of various parts of the district were reported to you, and in some instances, great improvement made, but the town of Painswick is still in a very bad state. It has no proper system of sewerage, and the water in most of the wells is polluted by organic matter. In my opinion, there should be no delay in providing the inhabitants of this town with a sufficient supply of wholesome water for domestic purposes, and to take such other steps necessary to put the place in a good, sanitary condition.

The Infectious and Contagious Disease Cases dealt with were as follows :—

NAME OF PARISH.	No. of Cases.	Name of Disease.	No. of Deaths.	No. of Houses in which disease occurred.
CHALFORD ...	1	Diphtheria ...	0	1
CRANHAM ...	6	Diphtheria ...	1	4
„ ...	1	Typhoid Fever ...	0	1
PAINSWICK ...	6	Scarlet Fever ...	0	3
„ ...	5	Diphtheria ...	0	5
„ ...	1	Membranous Croup	1	1
„ ...	1	Typhoid Fever ...	1	1
„ ...	3	Erysipelas ...	0	3
PITCHCOMBE ...	2	Scarlet Fever ...	0	2
THRUPP ...	3	Typhoid Fever ...	0	3
„ ...	1	Scarlet Fever ...	0	1
„ ...	3	Erysipelas ...	0	3
WHITESHILL ...	3	Scarlet Fever ...	0	3
TOTAL ...	36	TOTAL ...	3	31

Table shewing the number of cases of Infectious or Contagious Disease dealt with since the adoption of the Compulsory Notification Act.

Year.	No. of Cases.
1891 ...	130
1892 ...	80
1893 ...	47
1894 ...	24
1895 ...	28
1896 ...	17
1897 ...	36
TOTAL ...	362

I personally fumigated the rooms and articles therein, likely to retain infection, in all houses where Infectious or Contagious Disease occurred. The instructions given by the Medical Officer of Health were duly carried out, and every precaution taken to prevent the spread thereof.

I beg to remain, Ladies and Gentlemen,

Your obedient Servant,

ALBERT BAILEY,

January, 1898.

Sanitary Inspector.





## STROUD RURAL DISTRICT COUNCIL,

No. 2 DISTRICT.

*Sanitary Inspector's Report.*

To the Chairman and Members of the Council.

LADIES AND GENTLEMEN—

I beg to submit my Annual Statement of Particulars and Sanitary Duties fulfilled during the year ended December 31st, 1897, in obedience to the directions of the Council.

Sanitary Conditions and matters Reported	...	267
Notices served to effect Improvement	... ..	139
Drains tested and proved defective	... ..	33
Improved Sanitary Conveniences	... ..	19
Samples of Water submitted for Analysis	...	17
Improved Water Supplies	... ..	15
Wells closed	... ..	7
Places and Bakehouses improved	... ..	11
Dairies, Stores and Cowsheds visited	... ..	17
Houses Over-crowded, abated	... ..	7
Houses Purified and Cleansed	... ..	5
Vans Over-crowded, Purified	... ..	2
Houses unfit for Habitation	... ..	2
Nuisances from keeping Animals abated	...	14
Nuisance from Smoke abated	... ..	1
Nuisances from Offal Boiling	... ..	2
Collections of Animal Refuse abated	... ..	4
Summary proceedings taken	... ..	2

In all cases of Infectious Disease precautions have been taken to prevent an increase of cases. The instructions of the Medical Officer of Health have been fulfilled respecting the Schools under supervision, and also in 18 cases of Scarlet Fever, 4 cases of Typhoid, 11 cases of Diphtheria, 2 cases of Puerperal Fever, 1 case of Membranous Croup and 6 cases of Erysipelas.

Three deaths occurring the interments were effected within the prescribed time with due precautions.

The proper disinfection and purification of the premises have been completed, and due reports made to the Medical Officer of Health of action taken. I have supplied disinfectants in necessitous cases.

Visits have been made in company with the Medical Officer of Health, and Investigations made respecting the supplies of water throughout the District.

Action has been taken to ensure the keeping of Dairies, Stores, and Cowsheds clean and in good order upon the suggestion of the Medical Officer of Health.

Bakehouses and places for the preparation of food have been inspected and improved.

Slaughter-houses have been periodically re-washed and cleansed.

Certificates respecting satisfactory water supplies have been issued to owners previous to the occupation of the dwellings, with the exception in one case of Edward Beavis, of Rodborough, against whom proceedings were taken, and a fine and costs imposed, to the amount of £2 14s. od., for a breach of the Public Health Water Acts.

Proceedings were also taken against Charles Jefferies, of Ebley, for keeping animals so as to be a Nuisance. An Order was obtained with costs and compliance to the Order was made.

Arrangements are carried out for the disposal of House Refuse at Stonehouse. New connections have been made to the Stonehouse Main Sewers.

The ventilation of the means of Drainage at Avenue Terrace, Stonehouse, through enforcement, have been improved.

A portion of new pipe sewer has been provided at Ebley, and improved ventilation and other work has been completed to the means of Drainage near the Ship Inn, Brimscombe.

The Sewage Tank at Minchinhampton has received attention.

The Regulations under the Petroleum Act have been complied with.

I beg to remain,

Your obedient Servant,

JOHN HALL.

February, 1898.

Sanitary Inspector



(A) TABLE OF DEATHS during the Year 1887, in STROUD RU

<p>NAMES OF LOCALITIES adopted for the purpose of these Statistics ; public institutions being shown as separate localities.</p>				MORTALITY FROM ALL CAUSES, AT SUBJOINED AGES.							
				At all ages.	Under 1 year.	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and up- wards	
HORSLEY...	...	...	...	13	2		1		5	5	Under 5 upwa
BISLEY	...	...	...	27	6	1			8	12	Under 5 upwa
CHALFORD	...	...	...	49	12	1		1	12	23	Under 5 upwa
PAINSWICK	...	...	...	48	8	6	3	1	10	20	Under 5 upwa
CRANHAM	...	...	...	3			1		1	1	Under 5 upwa
PITCHCOMBE	...	...	...	3					2	1	Under 5 upwa
MISERDEN	...	...	...	4					2	2	Under 5 upwa
STROUD RURAL	...	...	...	35	4	3	1	2	13	12	Under 5 upwa
MINCHINHAMPTON	...	...	...	63	9	9	2	2	19	22	Under 5 upwa
RODBOROUGH	...	...	...	37	5	3	2	2	10	15	Under 5 upwa
KING STANLEY	...	...	...	25	7	3		2	5	8	Under 5 upwa
WOODCHESTER	...	...	...	7		1		1	2	3	Under 5 upwa
STONEHOUSE	...	...	...	41	8	5	2	2	7	17	Under 5 upwa
CAINSCROSS	...	...	...	35	9	4		5	7	10	Under 5 upwa
LEONARD STANLEY	...	...	...	9	3	2			2	2	Under 5 upwa
RANDWICK	...	...	...	9	1		1	2	2	3	Under 5 upwa
WORKHOUSE	...	...	...	26				1	5	20	Under 5 upwa
HOSPITAL	...	...	...	10			2	1	5	2	Under 5 upwa
TOTALS	...	...	...	443	74	38	15	22	117	178	Under 5 upwa



# AL DISTRICT, classified according to Diseases, Ages, and Localities.

## MORTALITY FROM SUBJOINED CAUSES, DISTINGUISHING DEATHS OF CHILDREN UNDER FIVE YEARS OF AGE.

Diphtheria.	Membranous Croup.	Cancer.	Enteric or Typhoid Fever.	Measles.	Whooping Cough.	Diarrhoea and Dysentery.	Phthisis.	Bronchitis, Pneumonia and Pleurisy.	Heart Disease.	Influenza.	Injuries.	All other Diseases.	TOTAL.
		1						1 1	3			1 6	2 11
		3			1		1	2	4	1		4 11	7 20
		5			3		4	6 9	5		1	4 12	13 36
	1	5	1	1	2		2	3 4	5	1 1		6 15	14 34
1									2				3
									2			1	3
		1					1		1			1	4
		1			2	2	3	1 5	7			2 12	7 28
		3			4		5	3 11	5	3	1	10 18	18 45
		4			1	2	3	2 6	6		1	3 8	8 29
		2			2		2	5 1	4			3 6	10 15
		1						3				1 2	1 6
1 1		1			1		1 2	2 4	3	2		8 15	13 28
	1				1	1	4	3 2	2			7 14	13 22
		1			2	1		1	1			1 2	5 4
		1						1 2	4			1	1 8
		3						2	4			17	26
		1							1		4	4	10
1 3	2	33	1	1	19	6	1 27	30 50	59	1 7	1 7	50 145	112 332

STROUD RURAL	...			61	Under 5 5 upwards	4		3	3
MINCHINHAMPTON	...			93	Under 5 5 upwards	3	1	1	
RODBOROUGH ...	...		134	Under 5 5 upwards	5	2	1		3
KING STANLEY	...			Under 5 5 upwards	1				1
WOODCHESTER	...			Under 5 5 upwards	4				
STONEHOUSE ...	...		139	Under 5 5 upwards	3	6			2
CAINSCROSS ...	...			Under 5 5 upwards		2	1	2	2
LEONARD STANLEY	...			Under 5 5 upwards	1				
RANDWICK ...	...			Under 5 5 upwards				1	
TOTALS	...	27,195	30,226	661	Under 5 5 upwards	30	23	2	17

(B) TABLE OF POPULATION, BIRTHS, AND OF NEW CASES OF INFECTIOUS SICKNESS, coming to the knowledge of the Medical Officer of Health, during the Year 1897, in the STROUD RURAL DISTRICT; classified according to Diseases, Ages and Localities.

NAMES OF LOCALITIES adopted for the purpose of these Statistics ; Public Insti- tutions being shown as separate localities.	POPULATION AT ALL AGES.		Registered Births.	Aged under 5 or over 5.	NEW CASES OF SICKNESS IN EACH LOCALITY, COMING TO THE KNOWLEDGE OF THE MEDICAL OFFICER OF HEALTH.					
	Last Census.	Estima- ted to middle of 1897			Scarlatina.	Diphtheria.	Membranous Croup.	FEVERS.		Erysipelas.
								Enteric or Typhoid.	Puerperal	
HORSLEY	...	...	35	Under 5 5 upwards	1				2	
BISLEY	...	...	127	Under 5 5 upwards						
CHALFORD	...	...		Under 5 5 upwards		1				
PAINSWICK	...	...	72	Under 5 5 upwards	6	5	1	1	4	
CRANHAM	...	...		Under 5 5 upwards		6		1		
PITCHCOMBE	...	...		Under 5 5 upwards	2					
				Under 5 5 upwards						

